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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/604,996	08/29/2003	Boris Y. Tsirline	3022	1995
31424	7590	05/24/2006	EXAMINER	
BABCOCK IP LLC			DAO, MINH D	
24154 LAKESIDE DRIVE				
LAKE ZURICH, IL 60047			ART UNIT	PAPER NUMBER
			2618	

DATE MAILED: 05/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/604,996	TSIRLINE ET AL.
	Examiner MINH D. DAO	Art Unit 2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on ____.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-19 and 21-33 is/are pending in the application.
 4a) Of the above claim(s) 1-14,20 and 26-33 is/are withdrawn from consideration.
 5) Claim(s) ____ is/are allowed.
 6) Claim(s) 15-19 and 21-25 is/are rejected.
 7) Claim(s) ____ is/are objected to.
 8) Claim(s) 1-14, and 26-33 are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. ____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. ____ .
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date ____ .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: ____ .

DETAILED ACTION

1. Applicant's election without traverse of claims 15-19, 21-25 in the reply filed on 10/27/2005 is acknowledged.
2. Applicant's argument, dated 03/02/06, regarding restriction of claims 15-19, 21-25 dated 01/11/06 is persuasive and therefore the restriction dated 01/11/06 is withdrawn.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 15-19, 21-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Forster (US 2004/0195319) in view of Admitted Prior Art (APA) submitted by Applicant.

Regarding claim 15, Forster teaches a near field coupling device comprising: a plurality of lines electrically interconnected in parallel (see figs. 9,10; section [0083]); and a terminating resistor coupled to the lines, the terminating resistor selected not to match a characteristic impedance of the plurality of lines (see section [0116]). However, Forster

does not mention a ground plane spaced away from the plurality of lines. Admitted Prior Art submitted by Applicant in fig. 1 of the specifications teaches such limitation. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to provide the teaching of Admitted Prior Art submitted by Applicant in order to keep the insertion loss, mismatch, undesirable coupling among elements to a minimum.

Regarding claim 16, the combination of Forster and APA teaches the near field coupling device of claim 15, wherein the plurality of lines are formed as at least a first trace on a printed circuit board and the ground plane is formed as a second trace on a printed circuit board (see figs. 2a and 2b of APA).

Regarding claim 17, the combination of Forster and APA teaches the near field coupling device of claim 15, wherein at least one of the plurality of lines has a zig-zag characteristic (see figs. 9 and 10 of Forster).

Regarding claim 18, the combination of Forster and APA teaches the near field coupling device of claim 15, wherein the plurality of lines are spatially aligned coplanar and parallel to each other (see figs. 1, 2a, 2b of APA).

Regarding claim 19, the combination of Forster and APA teaches the near field coupling device of claim 15, wherein the length, width and interspacing of the plurality of lines is selected for a desired bandwidth (see Forster sections [0070-0071]).

Regarding claim 21, the combination of Forster and APA teaches a near field coupler for communication with an transponder located in a transponder operating region, comprising: a near field coupler receiving an RF communication signal and configured to produce an array of spaced near field concentrations responsive to the RF communication signal (see Forster, figs. 1-10), the spacing of said near field concentrations along a predetermined direction being significantly less than a smallest dimension of said transponder in said predetermined direction such that said transponder overlaps and is excited by a plurality of said field component when located in said transponder operating region (see Forster, figs. 1-10; sections [0083-0084]).

Regarding claim 22, the combination of Forster and APA teaches the coupler of claim 21 wherein said near field concentrations are formed by lines configured in an array with a spaced parallel geometry (see figs 9 and 10 of Forster).

Regarding claim 23, the combination of Forster and APA teaches the coupler of claim 22 wherein said lines comprise leaky edges formed in a microstrip coupler (see figs. 2a, 2b of APA).

Regarding claim 24, the combination of Forster and APA teaches the coupler of claim 22 wherein said lines have a Zig-zag configuration (see figs. 9 and 10 of Forster).

Regarding claim 25, the combination of Forster and APA teaches the coupler of claim 22 wherein said lines are formed as a trace on a printed circuit board having a separate ground plane (see figs. 1, 2a and 2b of APA).

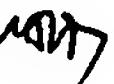
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MINH D. DAO whose telephone number is 571-272-7851. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MATTHEW ANDERSON can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Minh Dao 
AU 2618
May 18, 2006

Matthew Anderson
Superviser AU 2618